Linsn Technology
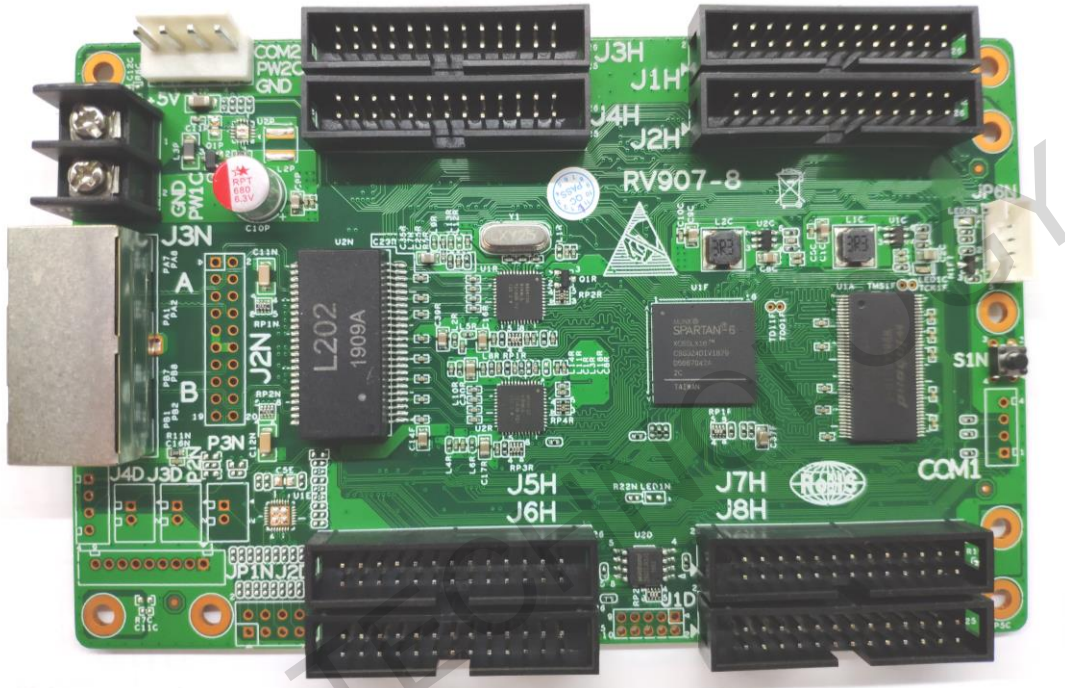
Receiver

RV907-8

V1.0

May 2019

1. Function

1) Single card can output 32 groups RGB data;

2) Single card can output 64 groups serial data;

3) Single card maximum supports 512*384 pixels（Please note that there are recommended values depending on the design of LED screen）;

4) Each interface has VCC pin to get power supply for control system from led module, no need to get extra power supply for control system;

5) Support temperature detection(optional);

6) Two lines voltage monitoring(optional);

7) Support pixel-by-pixel brightness calibration; single-card color space conversion;

8) Support network cable BER test;

9) Support hot backup with dual receiver cards for demanding performances screen(optional);

10) High refresh rate and high grey level with most of the driver ICs;

11) In line with EU standards RoHS;

12) In line with EU standards CE-EMC class B.

2.RV907-8 OUTPUT

1) 32 group data mode (Select 32 data for RV907 in card mode option of LEDSet)

Only for full color screen; each interface has 4 groups of data.

The 26PIN defined as follow

A	1	2	B
OE	3	4	LAT
CLK	5	6	VCC
C	7	8	D
E	9	10	R1
G1	11	12	B1

GND	13	14	R2
G2	15	16	B2
R3	17	18	G3
B3	19	20	GND
R4	21	22	G4
B4	23	24	GND
GND	25	26	GND

2) 64 groups serial data mode

For full color LED screen, it is with J1H-J6H six outputs, the 26pin is defined as follows,

A	1	2	B
OE	3	4	LAT
CLK	5	6	VCC
C	7	8	D
E	9	10	D1
D2	11	12	D3
GND	13	14	D4
D5	15	16	D6
D7	17	18	D8
D9	19	20	GND
D10	21	22	D11
D12	23	24	GND
GND	25	26	GND

3.Dimensions

4.Working Conditions

Rated voltage（V）	5	Max. value	5.5	Mini. value	4.5
Rated current（A）	0.80	Max. value	0.87	Mini. value	0.73
Rated power consumption（W）	4.0	Max. value	4.8	Mini. value	3.3
Working temperature（℃）	-20℃ ～ 75℃				
Working humidity（%）	0% ～ 95%				

END